

WS FORM F-6											STATION MOUNT WASHINGTON OBSERVATORY							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MONTH JULY				YEAR 2021			
LATITUDE 44 DEGREES 16 MINUTES NORTH					LONGITUDE 71 DEGREES 18 MINUTES WEST						GROUND ELEVATION (H) 6280 FT			STANDARD TIME EASTERN				
TEMPERATURE (°F)						PRECIPITATION (IN.)					WIND (MPH)			SUNSHINE (MINUTES)		SKY COVER (TENTHS)	WEATHER OCCUR.	
DAY	MAX	MIN	AVG	NORM	DEPART	HEAT	COOL	TOTAL (EQUIV)	SNOW & ICE	SNOW/ICE ON GROUND-7AM	AVG SPEED	FASTEST MILE		TOTAL	% POSS			
												SPEED	DIR					
1	57	45	51	49	2	14	0	0.28	0.0	0	22.8	63	290 (W)	135	14	10	12	
2	47	42	45	49	-4	20	0	0.76	0.0	0	16.9	34	080 (E)	0	0	10	12	
3	46	37	42	49	-7	23	0	0.56	0.0	0	11.0	24	060 (NE)	20	2	10	12	
4	44	38	41	49	-8	24	0	0.63	0.0	0	17.8	39	040 (NE)	0	0	10	12	
5	51	37	44	50	-6	21	0	T	0.0	0	20.0	53	280 (W)	665	71	9	12	
6	58	50	54	50	4	11	0	0.32	0.0	0	49.1	83	300 (NW)	0	0	10	12	
7	50	45	48	50	-2	17	0	0.15	0.0	0	47.6	83	300 (NW)	0	0	10	12	
8	52	46	49	50	-1	16	0	0.29	0.0	0	28.5	84	220 (SW)	0	0	10	12	
9	53	44	49	50	-1	16	0	0.87	0.0	0	36.4	95	240 (SW)	0	0	10	12	
10	59	44	52	50	2	13	0	0.00	0.0	0	11.3	47	300 (NW)	876	94	6	12	
11	55	45	50	50	0	15	0	0.00	0.0	0	13.8	33	280 (W)	470	51	9	12	
12	55	46	51	50	1	14	0	0.00	0.0	0	8.3	24	120 (SE)	170	18	10	12	
13	56	46	51	50	1	14	0	0.00	0.0	0	17.4	43	210 (SW)	0	0	10	12	
14	58	53	56	50	6	9	0	0.08	0.0	0	30.1	61	230 (SW)	20	2	10	12	
15	62	53	58	50	8	7	0	0.13	0.0	0	17.5	52	250 (W)	375	41	9	12	
16	57	49	53	50	3	12	0	0.41	0.0	0	40.5	69	280 (W)	0	0	10	12	
17	56	49	53	50	3	12	0	0.78	0.0	0	14.0	28	250 (W)	45	5	10	12	
18	59	48	54	50	4	11	0	1.18	0.0	0	13.1	32	180 (S)	0	0	10	12	
19	55	48	52	50	2	13	0	0.40	0.0	0	12.4	41	350 (N)	25	3	10	123	
20	54	48	51	50	1	14	0	0.37	0.0	0	18.7	40	320 (NW)	50	5	10	1238	
21	53	42	48	50	-2	17	0	0.23	0.0	0	22.4	43	310 (NW)	35	4	10	12	
22	47	39	43	50	-7	22	0	T	0.0	0	32.4	56	360 (N)	345	38	9	12	
23	49	41	45	50	-5	20	0	0.23	0.2	0	21.4	39	350 (N)	514	56	9	1235	
24	55	42	49	50	-1	16	0	0.00	0.0	0	12.9	35	200 (S)	773	85	6	12	
25	53	45	49	50	-1	16	0	0.54	0.0	0	33.2	60	250 (W)	0	0	10	123	
26	53	47	50	50	0	15	0	0.01	0.0	0	35.0	56	290 (W)	80	9	10	12	
27	53	42	48	50	-2	17	0	0.19	0.0	0	33.2	58	300 (NW)	75	8	10	12	
28	48	39	44	50	-6	21	0	0.00	0.0	0	19.0	41	290 (W)	710	79	8	12	
29	48	39	44	50	-6	21	0	0.48	0.0	0	18.8	39	250 (W)	145	16	10	12	
30	44	33	39	50	-11	26	0	0.68	T	0	47.9	92	290 (W)	0	0	10	124	
31	41	32	37	50	-13	28	0	0.17	0.0	0	43.3	71	300 (NW)	220	25	9	12	
SUM	1628	1354	----	----	----	515	0	9.74	0.2	----	766.7	----	----	5748	----	294	----	
AVG	52.5	43.7	----	----	----	----	----	----	----	----	24.7	FASTEST	DIR	POSS				
											MISC. ->	95	240 (SW)	28530	20%	9.5	----	

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	48.1	TOTAL FOR THE MONTH	9.74	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	-1.8	DEPARTURE FROM NORMAL	0.81			2 = FOG REDUCING VISIBILITY	
HIGHEST	62 on 15th	24 HOUR MAX	1.87 on 17th/18th	CLEAR (SCALE 0-3)	0	TO 1/4 MILE OR LESS	
LOWEST	32 on 31st			PARTLY CLOUDY (SCALE 4-7)	2		
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	29		
NUMBER OF DAYS WITH:				WITH .01" OR MORE PRECIP	23	5 = HAIL	
MAX. 32 OR BELOW	0	TOTAL FOR THE MONTH	0.2	WITH .10" OR MORE PRECIP	21	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	24 HOUR MAX	0.2 on 23rd	WITH .50" OR MORE PRECIP	8	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	1	MAX DEPTH ON GROUND	0.0	WITH 1.0" OR MORE PRECIP	1	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 0 OR BELOW	0					8 = SMOKE OR HAZE	
		PRESSURE DATA (IN.)				9 = BLOWING SNOW	
						X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.516 on 13th				
		LOWEST SEA-LEVEL	29.794 on 30th				
TOTAL THIS MONTH	515	AVG STATION	23.903				
DEPARTURE FROM NORMAL	47						
SEASON TOTAL	515						
DEPARTURE FROM NORMAL	47						
		NOTES:	23RD: SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO MELTING SHORTLY AFTER HITTING SURFACES; FELL ENTIRELY AS HAIL AND SMALL HAIL				
			30TH: SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO MELTING SHORTLY AFTER HITTING SURFACES				
COOLING DEGREE DAYS (BASE 65°F)							
TOTAL THIS MONTH	0	AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR					
DEPARTURE FROM NORMAL	0		0600	1200	1800	0000	MONTH
SEASON TOTAL	0		94	92	93	94	93
DEPARTURE FROM NORMAL	0						

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 222 HOURS OF PREVAILING WINDS FROM THE W, 30% OF THE TOTAL HOURS OF THE MONTH.